

Title (en)
DRIVE ASSEMBLY FOR WIND TURBINES

Title (de)
KRAFTÜBERTRAGUNGSEINRICHTUNG FÜR WINDTURBINEN

Title (fr)
ENSEMBLE D'ENTRAÎNEMENT D'EOLIENNE

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Application
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Priority
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• IB 0101395 W 20010803

Abstract (en)
[origin: WO0214690A1] A drive assembly for a wind turbine comprises a rotor hub (14), supporting structure such as a turbine nacelle (15), a planetary type gear transmission unit (11) comprising sun (27), planet (25) and ring (24) gears and a planet carrier (28), said ring gear being non-rotatably secured to said supporting structure (15), a main bearing (23) which rotatably supports the rotor hub (14) and planet carrier (28) relative to said ring gear and supporting structure, and said drive assembly comprising two substantially independent force transmission paths for transmission of forces reacting with forces exerted by the wind turbine rotor hub, a first of said force transmission paths acting from the rotor hub (14) via said main bearing (23) to the supporting structure (15) primarily for transmission of overhang load forces and bending moment forces and a second of said force transmission paths acting from the rotor hub (14) via said planet carrier (28) primarily for transmission of rotational forces.

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